Index to Volume Forty-One, 1975

A

$A_{el}B$: A Family Study . . . 194
Abdul-Karim, Kamal . . . 10
Abstracts . . . 205,311,439
Abstracts of the Scientific Sessions, 43rd Annual ASMT Meeting and Exhibit . . . 157
ACID PHOSPHATASE, Production as an Aid in Rapid Characterization of Candida Species . . . 327
ACCREDITATION, Program Self-Analysis and _____ of Medical Laboratory Programs . . . 82
ACCREDITATION, State of the Art in Medical Laboratory Technician Programs . . . 86
ACCREDITATION, What is NAACLS and How Does It Function? . . . 74
Adams, James R. . . . 370
Adsorption Chromatographic Purification of Isopropanol for Triglyceride Precision . . . 1
Alexander, Jane . . . 30
Almy, Rydia E. . . . 343
AMYLASE, SERUM, Chromatographic Differences in _____ _____ Among Species . . . 364
ANAEROBES, Antibiotic Susceptibility Testing of _____ . . . 422
ANAEROBES, Clinical Aspects of Anaerobic Infection in the Surgical Patient . . . 431
ANAEROBES, Experience with the VPI Anaerobic Method in a Clinical Laboratory . . . 417
ANAEROBES, Identification of _____ in the Clinical Laboratory . . . 411
ANAEROBES, Methods for Isolation of _____ in the Clinical Laboratory . . . 402
ANAEROBES, Some Newer Concepts of the Human Intestinal Flora . . . 427
Anderson, Mary Ellen . . . 417
Anema, Richard J. . . . 360
ANTIBIOTIC LEVELS, Determining _____ _____ in the Blood . . . 99
ANTIBIOTIC SUSCEPTIBILITY TESTING, ANAEROBES, _____ _____ _____ of _____ in the Clinical Laboratory . . . 422
ANTIBODIES, IRREGULAR, Positive Irregular Antibody Screen Due to Leukocyte Antibody . . . 259
ANTIBODIES, LEUKOCYTE, Positive Irregular Antibody Screen Due to
Ashbrook, Beulah M. . . . 65
ASMT Education & Research Fund, Inc.: Scholarships and Grants, 1975-76 . . . 390
ASMT Position Paper on Professional Standards Review of Clinical Laboratory Services . . . 345
AUDIOVISUAL AIDS, Developing Slide-Tape Units for Medical Technology . . . 41
AUDIOVISUAL AIDS, Multiple Mounting and Staining on 2" X 2" Glass Slides . . . 285
AUDIOVISUAL AIDS, Slide-Tape Sequence: A Teaching Aid in Instrumentation . . . 370
AUTOMATION, The Determination of Serum Immunoglobins by Automated Nephelometric Analysis . . . 136

B

BACTERIAL IDENTIFICATION, ANAEROBES, Experience with the VPI Anaerobic Method in a Clinical Laboratory . . . 417
BACTERIAL IDENTIFICATION, ANAEROBES, Identification of _____ in the Clinical Laboratory . . . 411
BACTERIAL ISOLATION, Methods for _____ of Anaerobes in the Clinical Laboratory . . . 402
BACTERIOLOGICAL TRANSPORT SYSTEMS, Evaluation of _____ _____ _____ . . . 299
BACTERIOLOGY METHODOLOGY, Urine Culture: A New Approach . . . 454
BACTERIURIA, SCREENING TEST, A Novel Convenient Multiple Test System for the Detection of ____ . . . 353
Bailey, Tracy J. . . . 448
Baird, Arla M. . . . 114
Basic Computer Terminology . . . 212
Beard, Michael . . . 333
Bell, Jeannette R. . . . 62
BIOCHEMICAL TESTS IN MYCOLOGY, Acid Phosphatase Production as an Aid in Rapid Characterization of Candida Species . . . 327
Blazevic, Donna J. . . . 422
BLOOD ANTIBIOTIC LEVELS, Determining _____ _____ in the ____ . . . 99

BLOOD BANKING, Positive Irregular Antibody Screen Due to Leukocyte Antibody . . . 259
BLOOD CELL ABNORMALITIES, Hematological Findings in Acute Infections and Septicemias . . . 377
Book Reviews . . . 33,201,263,312,347,394,437
Bozarth, Jerold D. . . . 120
Branson, Dorothy . . . 18,463
BSL System at Denver General Hospital . . . 232
Budd, Robert D. . . . 322

C

CANDIDA SPECIES, Acid Phosphatase Production as an Aid in Rapid Characterization of _____ _____ . . . 327
Cartwright, Julie K. . . . 1
CASE STUDIES, Positive Irregular Antibody Screen Due to Leukocyte Antibody . . . 259
Changes in Serum Total Protein Values Occurring in Clinical Samples During Shipment . . . 448
Christian, David L. . . . 299
Chromatographic Differences in Serum Amylase Among Species . . . 364
CHROMATOGRAPHY, Adsorption Chromatographic Purification of Isopropanol for Triglyceride Precision . . . 1
CHROMATOGRAPHY, Chromatographic Differences in Serum Amylase Among Species . . . 364
Chu, Aubrey . . . 99
Clinical Aspects of Anaerobic Infections in the Surgical Patient . . . 431
Cocklin, James . . . 13
Collins, Patricia P. . . . 173
Comparison of the Germicidal Activity of Prepodyne and Betadine Surgical Scrub Solutions . . . 180
Comparison of the Murphy-Pattee and the Seligson Methods for Serum Thyroxine . . . 106
Comparison of Three Methods for Determining Oxygen Saturation in Arterial Blood . . . 360
COMPETENCY-BASED MT EDUCATION, Developing an Integrated, _____-_____ __ Program . . . 333
COMPUTERS, LABORATORY, Basic _____ Terminology . . . 212
COMPUTERS, LABORATORY, The BSL System at Denver General Hospital . . . 232
COMPUTERS, LABORATORY, The DNA Automated Clinical Laboratory System . . . 228
COMPUTERS, LABORATORY, Hardware and Software Considerations in Clinical _____ _____ Systems . . . 215
COMPUTERS, LABORATORY, The LCI System at the Hershey Medical Center . . . 235
COMPUTERS, LABORATORY, The Spear Clas-300B System at Saint Margaret Hospital . . . 238
COMPUTERS, LABORATORY, The System 2000 . . . 242
COMPUTERS, LABORATORY, The Xerox Data System at the M. D. Anderson Hospital and Tumor Institute . . . 218
COMPUTERS, Use of a Stepwise Regression _____ Program as an Aid in the Selection of Medical Technology Students . . . 60
CONTINUING EDUCATION, An Investigation of _____ _____ Hypotheses about Laboratory Personnel . . . 185
CORE ISOELECTROFOCUSING, _____ _____ . . . 10
Cortes, Julio M. . . . 327
Cotter, David A. . . . 197
Cottrell, John C. . . . 130
COUNSELING, _____ Relationships in Education and Supervision . . . 120
Coyne, Robert V. . . . 448
CRITICAL THINKING, How to Teach Students to Make Scientific Assessments of Laboratory Tests . . . 90
Crosby, Gordon . . . 317
Crossroads in Medical Technology Education: A Coordinated Program—Necessity or Opportunity? . . . 114
Crowley, Judeth A. . . . 45
CURRICULUM DEVELOPMENT, A _____ in Medical Technology Based on Perceptions of Students and Practitioners . . . 45
CURRICULUM DEVELOPMENT, Task Oriented Job Restructuring and _____ _____ . . . 50

D

DeLeon, Elizabeth . . . 136
DELPHI TECHNIQUE, A Curriculum in Medical Technology Based on Perceptions of Students and Practitioners . . . 45
Dennis, Juanita . . . 396
Determination of Normal Values from a Hospital Population . . . 173
Determination of Serum Immunoglobins by Automated Nephelometric Analysis . . . 136
Determining Antibiotic Levels in the Blood . . . 99
Developing an Integrated, Competency-Based Medical Technology Program . . . 333
Developing Slide-Tape Units for Medical Technology . . . 41
Dharan, Murali . . . 249
DIMETHYL SULFOXIDE, The Safe Use of _____ _____ in the Laboratory . . . 197
DNA Automated Clinical Laboratory System . . . 228
Doniak, Larry . . . 238
Dowell, V. R., Jr. . . . 402
DRUG ABUSE, _____ _____, "Street Drugs," and the Acquired Pelger-Huet Anomaly . . . 130
DRUG IDENTIFICATION, Thin Layer Chromatographic _____ of Phenothiazines in Urine Specimens . . . 322
Duhon, Ray . . . 194
Duncan, Betty . . . 232
Dunmeyer, Sarah L. . . . 82

E

Edberg, Stephen C. . . . 99
Ederer, Grace Mary . . . 299
EDUCATION, Counseling Relationships in _____ and Supervision . . . 120
EDUCATION, Crossroads in Medical Technology _____: A Coordinated Program—Necessity or Opportunity? . . . 114
EDUCATION, A Curriculum in Medical Technology Based on Perceptions of Students and Practitioners . . . 45
EDUCATION, Developing an Integrated, Competency-Based Medical Technology Program . . . 333
EDUCATION, Program Self-Analysis and Accreditation of Medical Laboratory Programs . . . 82
EDUCATION, The Relationship Between the MBTI and Job Satisfaction: A Preliminary Report . . . 56
EDUCATION, State of the Art in Medical Laboratory Technician Programs . . . 86
EDUCATION, Study of Evaluation Criteria in Schools of Medical Technology . . . 62
EDUCATION, A Theoretical Approach to Self-Study or Self-Analysis . . . 65
EDUCATION, Use of a Stepwise Regression Computer Program as an Aid in the Selection of Medical Technology Students . . . 60
EDUCATION, What is NAACLS and How Does It Function? . . . 74
EDUCATIONAL METHODOLOGY, Use of Latent Image Technique to Develop and Evaluate Problem-Solving Skills . . . 457
Elliott, Joseph R. . . . 307
ENDOCRINOLOGY, A Comparison of the Murphy-Pattee and the Seligson Methods for Serum Thyroxine . . . 106
ENZYMES, Chromatographic Differences in Serum Amylase Among Species . . . 364
ERYTHROCYTE ABNORMALITIES, Inadequate Cell Washing as a Source of Error in Fetal Hemoglobin Determination . . . 343
ERYTHROPOIETIN ASSAY, _____ _____ by Hemagglutination-Inhibition . . . 146
Essary, Ben H. . . . 146
EVALUATION CRITERIA, Study of Evaluation Criteria in Schools of Medical Technology . . . 62
Evaluation of Bacteriological Transport Systems . . . 299
EVALUATION PROGRAM, Program Self-Analysis and Accreditation of Medical Laboratory Programs . . . 82
EVALUATION TOOLS, Use of the Latent Image Technique to Develop and Evaluate Problem-Solving Skills . . . 457
Evans, George L. . . . 317
Evans, Valerie . . . 445
Experience with the VPI Anaerobic Method in a Clinical Laboratory . . . 417

F

Feeley, Mary A. 60
FERMENTATION REACTIONS, _____ _____ of *Actinobacillus* and *Pasturella* in Commercial Media 288
FETAL HEMOGLOBIN, Inadequate Cell Washing as a Source of Error in _____ _____ Determination 343
Fiene, Mary Ann 50
Fiorella, Beverly J. 10
Freedel, Dolores 454
Freier, Esther F. 106
Fristche, Herbert A., Jr. 136

G

Gallacher, James J. 1
Gauvreau, Alice F. 343
GENETICS, $A_{el}B$: A Family Study 194
Gephart, J. D. 262
GERMICIDAL, Comparison of Germicidal Activity of Prepodyne and Betadine Surgical Scrub Solutions 180
Gilbey, Jack 238
Gleich, Carol S. 185
GRAM-NEGATIVE BACILLI MEDIA, Use of Tergitol-7 Agar in the Clinical Laboratory 30
GRAM-NEGATIVE BACTERIA, Identification of Nonfermentative Gram-Negative Bacteria in the Clinical Laboratory 3

H

Hansen, Jessie L. 106
Hardware and Software Considerations in Clinical Laboratory Computer Systems 215
Harris, Sister Marie Joan 114
Hedrick, Willa 50
HEMAGGLUTINATION-INHIBITION, Erythropoietin Assay by _____-_____ 146
Hematological Findings in Acute Infections and Septicemias 377
HEMATOLOGY, MORPHOLOGY, Hematological Findings in Acute Infections and Septicemias 377
Hematology Problem of the Month 199,256,445
HEMOGLOBIN, FETAL, Inadequate Cell Washing as a Source of Error in _____ _____ Determination 343
HEMOGLOBIN S, A New Rapid Differentiating Solubility Test for _____ __ 317
HEPATITIS, Progress in _____ Research 154
HISTOLOGY, Multiple Mounting and Staining on 2" X 2" Glass Slides 285
Holdeman, Lillian V. 411,427
Holley, James 86
Hook, Ernest 310
How to Teach Students to Make Scientific Assessments of Laboratory Tests 90
Howarth, S. G. 200
Hutchinson, Barbara 235

I

Identification of Anaerobes in the Clinical Laboratory 411
Identification of Nonfermentative Gram-Negative Bacteria in the Clinical Laboratory 3
Inadequate Cell Washing as a Source of Error in Fetal Hemoglobin Determination 343
INFECTIONS, ANAEROBIC, Clinical Aspects of _____ _____ in the Surgical Patient 431
INSTRUMENTATION, Slide-Tape Sequence: A Teaching Aid in _____ 370
INTEGRATED MLT-MT PROGRAM, Developing an _____, Competency-Based _____-_____ Program 333
Investigation of Continuing Education Hypotheses about Laboratory Personnel 185

ISOELECTROFOCUSING, Core _____ 10
ISOPROPANOL PURIFICATION, Adsorption Chromatographic _____ of _____ for Triglyceride Precision 1

J

Jain, Naresh C. 322
Johnston, Virginia 114
Jordan, Tommye A. 146

K

Kaczmarski, Geraldine R. 194
Kantor, Linda T. 3
Kerbs, J. M. 262
Kilbourn, J. P. 262
Kilpatrick, Lewis 180
Knight, Ralph A. 180
Kominos, Spyros D. 3

L

LABORATORY EQUIPMENT, A Multi-Purpose _____ Light Box 396
LABORATORY SAFETY, The Safe Use of Dimethyl Sulfoxide in the Laboratory 197
LABORATORY SAFETY, Urine Culture: A New Approach 454
LaCroix, Karol A. 41
Larsen, Arden E. 259
LCI System at the Hershey Medical Center 235
Lear, Sheron C. 285
Leung, Wai J. 322
Leventhal, Ruth 339
Lewis, Jay F. 30
LIPID STUDIES, Low Density Lipoprotein Cholesterol (C_{LDL}) and Lipoprotein Phenotyping 307
LIPOPROTEIN PHENOTYPING, Low Density Lipoprotein Cholesterol (C_{LDL}) and _____ _____ 307
LOW DENSITY LIPOPROTEIN CHOLESTEROL, ____ _____ _____ _____ (C_{LDL}) and Lipoprotein Phenotyping 307
Lowry, Barbara 130

M

MacDonald, Kenneth 185
Matheson, Lois 212
McDonald, John H. 333
McIntyre, Carleen R. 259
McNamara, J. Judson 360
MEDIA, Evaluation of Bacteriological Transport Systems 299
MEDIA, Use of Tergitol-7 Agar in the Clinical Laboratory 30
MEDIA, COMMERCIAL, Fermentation Reactions of *Actinobacillus* and *Pasturella* in _____ _____ 288
MEDICAL LABORATORY TECHNICIAN PROGRAMS, State of the Art in _____ _____ _____ _____ 86
MEDICAL TECHNOLOGY EDUCATION, Crossroads in _____ _____ _____: A Coordinated Program—Necessity or Opportunity? 114
MEDICAL TECHNOLOGY EDUCATION, A Curriculum in _____ _____ Based on Perceptions of Students and Practitioners 45
Meryman, H. T. 265
METHODOLOGY AND COMPARISON, CLINICAL CHEMISTRY, Comparison of Three Methods for Determining Oxygen Saturation in Arterial Blood 360
Methods for Isolation of Anaerobes in the Clinical Laboratory 402
MICROBIOLOGY, Timely Topics in _____ 1973: Miscellaneous Bacteria 18
MICROBIOLOGY, Timely Topics in _____: Mycology, 1973 463
Miller, Leonard A. 120
MISCELLANEOUS BACTERIA, Timely Topics in Microbiology, 1973: _____ _____ 18

Monahan, Lawrence K. . . . 307
Moore, W. E. C. . . . 411,427
MULTI-MEDIA, Slide-Tape Sequence: A Teaching Aid in Instrumentation . . . 370
Multi-Purpose Laboratory Light Box . . . 396
Multiple Mounting and Staining on 2" X 2" Glass Slides . . . 285
MYCOLOGY, Timely Topics in Microbiology: _____, 1973 . . . 463

N

NATIONAL ACCREDITATING AGENCY FOR CLINICAL LABORATORY SCIENCES (NAACLS), What is _____ and How Does it Function? . . . 74
Neimeister, Ronald P. . . . 13
NEPHELOMETRY, The Determination of Serum Immunoglobins by Automated Nephelometric Analysis . . . 136
New Rapid Differentiating Solubility Test for Hemoglobin S . . . 317
Nichols, Ronald Lee . . . 431
NONFERMENTATIVE GRAM-NEGATIVE BACTERIA, Identification of _____ _____-_____ _____ in the Clinical Laboratory . . . 3
NORMAL FLORA, INTESTINAL, Some Newer Concepts of the Human _____ _____ . . . 427
NORMAL VALUES, Determination of _____ _____ from a Hospital Population . . . 173
Novel, Convenient Multiple Test System for the Detection of Bacteriuria . . . 353

O

O'Kell, Richard T. . . . 114,307
Osborne, W. E. . . . 262
OXYGEN SATURATION, Comparison of Three Methods for Determining _____ _____ in Arterial Blood . . . 360

P

PACP Regional Quality Control Program: A General Survey . . . 249
PARASITOLOGY, Topics in _____: Review, 1973 . . . 339
PELGER-HUET ANOMALY, ACQUIRED, Drug Abuse, "Street Drugs," and the _____ _____-_____ _____ . . . 130
Pennell, Mary Pat . . . 90
PHENOTHIAZINE IDENTIFICATION, Thin Layer Chromatographic _____ of _____ in Urine Specimens . . . 322
Polite, A. Lawrence, Jr. . . . 130
Porres, Joseph M. . . . 288
Porter, Virginia . . . 288
Positive Irregular Antibody Screen Due to Leukocyte Antibody . . . 259
Potter, Thomas P., Jr. . . . 146
PREDICTOR STUDY, The Relationship Between the MBTI and Job Satisfaction: A Preliminary Report . . . 56
PROFICIENCY TESTING, _____ _____, Trouble Shooting and Quality Control for the RPR Test . . . 13
Program Self-Analysis and Accreditation of Medical Laboratory Programs . . . 82
Progress in Hepatitis Research . . . 154
PROTEIN, SERUM, Changes in _____ Total _____ Values Occurring in Clinical Samples During Shipment . . . 448
PROFESSIONAL STANDARDS, ASMT Position Paper on _____ _____ Review of Clinical Laboratory Services . . . 345
Publishing Ethics . . . 310

Q

QUALITY CONTROL, PACP Regional _____ _____ Program: A General Survey . . . 249
QUALITY CONTROL, Proficiency Testing, Trouble Shooting, and _____ _____ for the RPR Test . . . 13
Quam, Kay . . . 228

R

RADIOIMMUNOASSAY, A Comparison of the Murphy-Pattee and the Seligson Methods for Serum Thyroxine . . . 106
RAPID PLASMA REAGIN TEST, Proficiency Testing, Trouble Shooting, and Quality Control for the RPR Test . . . 13
RED CELL FREEZING, _____ _____ _____ by the American National Red Cross . . . 265
REGIONAL PROGRAM, PACP _____ Quality Control _____: A General Survey . . . 294
Reisman, Leonard . . . 130
Relationship Between the MBTI and Job Satisfaction: A Preliminary Report . . . 56

S

SAFETY, Safe Use of Dimethyl Sulfoxide in the Laboratory . . . 197
Sangar, Vijay K. . . . 327
Scheff, George J. . . . 364
SCHOLARSHIPS AND GRANTS, ASMT Education & Research Fund, Inc: _____ _____ _____, 1975-76 . . . 390
Schwabbauer, Marian L. . . . 457
SELF-INSTRUCTION, Developing Slide-Tape Units for Medical Technology . . . 41
SELF-INSTRUCTION, Use of Latent Image Technique to Develop and Evaluate Problem Solving Skills . . . 457
SELF-STUDY, A Theoretical Approach to _____-_____ or Self-Analysis . . . 65
Self, Wade . . . 327
SERUM IMMUNOGLOBINS, The Determination of _____ _____ by Automated Nephelometric Analysis . . . 136
Sesney, John . . . 333
Silver, Sylvia . . . 154
Slide-Tape Sequence: A Teaching Aid in Instrumentation . . . 370
Smith, Jeffrey . . . 431
Sneath, Thomas C. . . . 322
Snider, Bill C. . . . 185
SOLUBILITY TEST, A New Rapid Differentiating _____ _____ for Hemoglobin S . . . 317
SOLVENTS, The Safe Use of Dimethyl Sulfoxide in the Laboratory . . . 197
Some Newer Concepts of the Human Intestinal Flora . . . 427
Spear Clas-300B System at Saint Margaret Hospital . . . 238
Spence, H. Adele . . . 74
Spraberry, Mary Nell . . . 215
STAINS, Multiple Mounting and Staining on 2" X 2" Glass Slides . . . 285
State of the Art in Medical Laboratory Technician Programs . . . 86
STATISTICAL ANALYSES, Determination of Normal Values from a Hospital Population . . . 173
Strenkoski, Leon F. . . . 353
Stringham, Reed M. . . . 333
STUDENT SELECTION, Use of a Stepwise Regression Computer Program as an Aid in the _____ of Medical Technology _____ . . . 60
Study of Evaluation Criteria in Schools of Medical Technology . . . 62
SUPERVISION, Counseling Relationships in Education and _____ . . . 120
System 2000 . . . 242

T

Talluto, Mildred Rose . . . 377
TASK ANALYSIS, _____ Oriented Job Restructuring and Curriculum Development . . . 50
TEACHING AIDS, Slide-Tape Sequence: A _____ _____ in Instrumentation . . . 370
TEACHING STRATEGIES, How to Teach Students to Make Scientific Assessments of Laboratory Tests . . . 90
TEACHING STRATEGIES, Use of Latent Image Technique to Develop and Evaluate Problem-Solving Skills . . . 457
TERGITOL-7 AGAR, Use of _____ _ _____ in the Clinical Laboratory . . . 30

Teschemacher, Regina 13
Theoretical Approach to Self-Study or Self-Analysis 65
THIN LAYER CHROMATOGRAPHY, _____ _____ _____
Identification of Phenothiazines in Urine Specimens 322
Thomas, Louann 242
Thomas, Verneda E. 360
THYROXINE MEASUREMENT COMPARISON, A _____ of the
Murphy-Pattee and the Seligson Methods for Serum _____ 106
TIMELY TOPICS IN MICROBIOLOGY, _____ _____ __ _____, 1973:
Miscellaneous Bacteria 18
TIMELY TOPICS IN MICROBIOLOGY,_____ _____ __ _____:
Mycology, 1973 463
To the Editor 130,200,262
TOPICS IN PARASITOLOGY, _____ __ _____: Review, 1973 339
TRANSPORT SYSTEMS, Evaluation of Bacteriological _____ _____ 299
TRIGLYCERIDE METHODOLOGY, Adsorption Chromatographic
Purification of Isopropanol for _____ Precision 1

U

URINE CULTURE, _____ _____: A New Approach 454
URINE SCREENING TEST, BACTERIA, A Novel, Convenient Multiple Test
System for the Detection of Bacteriuria 353
Use of Latent Image Technique to Develop and Evaluate Problem-Solving
Skills 457
Use of a Stepwise Regression Computer Program as an Aid in the Selection
of Medical Technology Students 60
Use of Tergitol-7 Agar in the Clinical Laboratory 30

V

Viskochil, Karen 199,256

W

Warren, Bert 317
Wendlandt, Gay McCutchen 218
What is NAACLS and How Does It Function? 74
Wiemeri, C. A. 353
Williams, Ruth 56

X

Xerox Data System at the M. D. Anderson Hospital and Tumor Institute 218

Y

Yankevitch, I. John 13
Yee, Robert B. 3

Z

Zeineh, Rashid A. 10,364